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XIV. *The Apparent Times of the Immersions and Emerisions of Jupiter's Satellites, for the Year 1739. computed to the Meridian of the Royal Observatory at Greenwich, by James Hodgson, F. R. S. and Master of the Royal Mathematical School in Christ's Hospital, London.*

ECLIPSES of the first Satellite of JUPITER.

APRIL.

ECLIPSES of the first Satellite of JUPITER.

D.	H.	M.	D.	H.	M.	D.	H.	M.
			9	6	24 M	23	0	13 E
	11	0	10	53	M	25	6	42 M
APRIL.			12	7	21 E	27	1	10 M
Emersions.			14	1	49 E	28	7	39 E
1	7	55 M	16	8	17 M	30	2	8 E
	18	2	45	M				
	19	9	14	E				
Jupiter and the	21	3	43	E				
Sun will be in	23	10	10	M				
Conjunction on	25	4	38	M				
the 23d Day in	26	11	6	E	1	8	36	M
the Morning.	28	5	35	E	3	3	5	M
	30	0	3	E	4	9	33	E
					6	4	3	E
MAY.					8	10	32	M
Immersions.					10	5	1	M
			JULY.			11	11	30 E
			Immersions.			13	5	58 E
26	2	38 M	2	6	31 M	15	0	27 E
27	9	7 E	4	1	0 M	17	6	56 M
29	3	35 E	5	7	28 E	19	1	25 M
31	10	3 M	7	1	56 E	20	7	54 E
			9	8	25 M	22	2	23 E
JUNE.			11	2	53 M	24	8	52 M
			12	9	22 E	26	3	22 M
Immersions.			14	3	50 E	27	9	51 E
			16	10	19 M	29	4	20 E
2	4	31 M	18	4	47 M	31	10	49 M
3	11	0 E	19	11	16 E			
5	5	28 E	21	5	44 E			
7	11	56 M						

SEPTEMBER.

ECLIPSES of the first Satellite of JUPITER.

D.	H.	M.		D.	H.	M.		D.	H.	M.	
			SEPTEMBER.	11	3	56	M	19	4	31	M
				12	10	25	E	20	10	59	E
			Immersions.	14	4	54	E	22	5	27	E
				16	11	23	M	24	11	55	M
2	5	18	M	18	5	51	M	26	6	23	M
3	11	47	E	20	0	20	M	28	0	51	M
5	6	16	E	21	6	49	E	29	7	19	E
7	0	45	E	23	1	17	E				
9	7	14	M	25	7	46	M				
11	1	43	M	27	2	14	M				
12	8	13	E	28	8	43	E				
14	2	42	E	30	3	11	E				
16	9	11	M					1	1	47	E
18	3	40	M					2	8	15	M
19	10	9	E					5	2	42	M
21	4	38	E				Immersions.	6	9	10	E
23	11	7	M					8	3	38	E
25	5	36	M	1	9	40	M	10	10	6	M
27	0	5	M	3	4	8	E	12	4	34	M
28	6	34	E	4	10	36	E	13	11	2	E
30	1	3	E	6	5	5	E	15	5	30	E
				8	11	33	M	17	11	58	M
			OCTOBER.	10	6	1	M	19	6	26	M
				12	0	29	M	21	0	54	M
			Immersions.					22	7	22	E
							Emersions.	24	1	50	E
2	7	32	M					26	8	18	M
4	2	1	M	13	9	7	E	28	2	46	M
5	8	30	E	15	3	35	E	29	9	14	E
7	2	59	E	17	10	3	M	31	3	42	E
9	9	27	M								

ECLIPSES

ECLIPSES of the second Satellite of JUPITER.

D.	H.	M.		D.	H.	M.		D.	H.	M.	
			JANUARY.	15	5	33	M	22	3	33	M
			Emersions.	18	6	52	E	26	4	50	M
				22	8	12	M	29	6	8	E
3	3	17	M	25	9	31	E				
6	4	35	E	29	10	51	M				
10	5	52	M								
13	7	10	E								
17	8	28	M								
20	9	46	E								
24	11	4	M								
28	0	23	M								
31	1	41	E								
			FEBRUARY.								
			Emersions.								
4	3	0	M								
7	4	9	E								
11	5	38	M	25	5	14	M				
14	6	57	E	28	6	32	E				
18	8	16	M								
21	9	35	E								
25	10	55	M								
			MARCH.								
			Emersions.								
1	0	14	M	1	7	49	M	4	7	7	M
4	1	35	E	4	9	7	E	7	8	25	E
8	2	54	M	8	10	24	M	11	9	44	M
				11	11	41	E	14	11	3	E
				15	0	59	E	18	0	22	E
				19	2	16	E	22	1	40	M
								25	2	59	E
								29	4	18	M

SEPTEMBER.

ECLIPSES of the second Satellite of JUPITER.

ECLIPSES of the third Satellite of JUPITER.

D.	H.	M.	D.	H.	M.	D.	H.	M.			
JANUARY.			Emersions.			FEBRUARY.					
Immersions.			1	11	23	E	Immersions.				
1	9	11	E	16	7	23	M	6	5	16	E
9	1	11	M	23	11	23	M	13	9	19	E
16	5	11	M	30	3	24		21	1	22	M
23	9	12	E					28	5	26	M
30	1	13									
				K							
								Emersions			

ECLIPSES of the third Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
Emersions.	Emersions.	21 1 47 E 28 5 47 E
6 7 27 E 13 11 29 E 21 3 32 M 28 7 36 M	JUNE. Immersions.	Emersions.
MARCH.	1 9 52 M 8 1 51 E	7 8 0 M 14 0 0 E 21 4 1 E 28 8 2 E
Immersions.	15 5 50 E 22 9 48 E 30 1 48 M	AUGUST.
7 9 30 M	Emersions.	Immersions.
Emersions.	15 8 2 E 22 12 1 E 30 4 0 E	4 9 48 E 12 1 50 M 19 5 52 M 26 9 54 M
7 11 40 M 14 3 43 E 21 7 47 E 28 11 51 E	JULY.	Emersions.
MAY.	Immersions.	5 0 3 M 12 4 5 M
Immersions.	7 5 47 M 14 7 47 M	19 8 8 M 26 0 11 E
25 5 53 M		SEPTEMBER.

ECLIPSES of the third Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
SEPTEMBER.		DECEMBER.
Immersions.	Emersions.	Immersions.
2 1 56 E	22 6 7 E	19 1 52 M
9 5 58 E	29 10 7 E	26 5 49 M
16 10 1 E	I 8 24 M	Emersions.
24 2 3 M	8 0 26 E	NOVEMBER.
Emersions.	Immersions.	4 8 24 E
2 4 13 E	12 0 22 M	12 0 22 M
9 8 16 E	6 2 6 M	19 4 20 M
17 0 19 M	Emersions.	26 8 18 M
24 4 22 M	OCTOBER.	
	13 8 29 M	
Immersions.	20 0 28 E	
1 6 5 M	27 4 26 E	
8 10 6 M		
15 2 7 E		

The fourth *Satellite* will continue to pass wide of the Shadow till the 24th of June 1740, when the Immersion will happen at 8 Hours, 42 Minutes, 42 Seconds; and the Emersion at 10 Hours, 15 Minutes, 0 Seconds, in the Evening.